

Internal File

2005 Annual Report Review

Permittee: C.W. Mining Company DBA CO-OP Mining Co.
Mine Name: Bear Canyon Mine (#3 and #4 Mines)
Permit Number: C/015/0025
Date Report Received: March 29, 2006 @ DNR/DOGM, SLC, Utah

Assigned Reviewers: Peter Hess, Engineer / Inspector
 Joe Helfrich, Biology
 Jim Smith, hydrologist

Date Completed

December 27, 2006

February 12, 2007

April 26, 2007

Instructions: The assigned staff will review their respective portions of the Annual report and provide a written determination (findings) on how the mine has or has not met the permit requirements for reporting. If the report is deficient or remedial action is required to obtain compliance, this should be noted and the inspector notified. Once all reviewers have completed the report, they should initial it and a copy will be filed in the Mine Internal File.

Assignments:

Inspectors: Review each cover sheet, AVS Legal/Financial, Mine Sequence Maps.
Hydrologists: Review Water Monitoring Data, Precipitation and Climatological Data, Non-Coal Waste
Biologists: Review Vegetation/Revegetation Success Monitoring, Raptor Survey
Engineers: Review Subsidence Monitoring Data, Annual Impoundment Certification, Annual Overburden, Spoils, Refuse, Floor, etc.

SECTIONS TO REVIEW	SUBMITTED		FINDINGS
	YES	NO	
Cover Sheet	X	<input type="checkbox"/>	The submitted cover sheet appears to be complete and adequate.
AVS; Legal/ Financial Update	X	<input type="checkbox"/>	The Permittee renewed the current ownership and control information for C.W Mining Co. / CO-OP Mining Co. with the Utah Department of Commerce (annual renewal requirement) on June 17, 2005. The same information is provided in APPENDIX C of the 2005 Annual Report for the Bear Canyon Mining operation.
Mine Sequence Map	X	<input type="checkbox"/>	APPENDIX D of the 2005 Annual Report contains Plates 5-1A, 5-1B and 5-1C. Plate 5-1B shows portions of the underground workings for the Bear Canyon #1 Mine, which was sealed in December of 2003. Plate 5-1C depicts the main, bleeder and gate road development (for longwall extraction) in the Tank seam (#4 Mine). Plate 5-1A, Blind Canyon Seam, (#3 Mine) depicts the main entry development and the secondary extraction area located in the N1/2 of Section 30, T16S, R8E. Areas which were projected for development and extraction during 2006 are also depicted. All plates have a P.E. certification by Mr. Mark Reynolds, Utah registered professional engineer. However, the stamps DO NOT have a date, and thus do not meet the requirements of R156-22-601(1) (c).

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	YES	NO	
Water Monitoring Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Submitted quarterly via the DOGM database web site.
Precipitation & Climatological Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Daily readings from rain gauge with description of weather.
Non-Coal Waste report	<input type="checkbox"/>	X	Only required by the DOGM when mining machinery is abandoned underground.
Subsidence Monitoring Data	X	<input type="checkbox"/>	Subsidence monitoring data and a map (PLATE 5-3) are included in APPENDIX B of the submitted 2005 Annual Report. The Permittee has not provided an analysis of the submitted data. The only subsidence monitoring point which lies over or adjacent to a secondary extraction area is 544, which reports a positive deflection (upheave) of 6.275 feet. The Permittee has not provided an explanation of this. PLATES 5-1A, BLIND CANYON SEAM, and 5-3, SUBSIDENCE MAP have different map scales, which make it difficult to analyze the areas where subsidence due to secondary coal extraction has occurred. The Permittee provides data for 51 monitoring points in the Wild Horse Ridge area. Data submitted for these points shows a range of deformation/heave of plus or minus 2 feet in the Wild Horse Ridge area. PLATE 5-3 has a P.E. stamp from Mr. Mark Reynolds, Utah registered professional engineer. The stamp is not dated. APPENDIX E contains notification letters to surface landowners and water conservancy districts stating when mining will occur or has occurred within their respective areas of concern.
Annual Impoundment Certification	X	<input type="checkbox"/>	Mr. Mark Reynolds, P.E., inspected and certified ponds A, B, C, and D on November 15, 2006. Several ponds were cleaned during 2005. The Permittee states that the ponds are maintained according to the design approved within the MRP. Quarterly pond inspection reports are reviewed on a regular basis by the DOGM.
Annual Overburden, Spoil, Refuse, Floor, etc.	<input type="checkbox"/>	X	
Vegetation Data	<input type="checkbox"/>	X	Not Required
Revegetation Success Monitoring	<input type="checkbox"/>	X	Not Required
Raptor Survey	X	<input type="checkbox"/>	A raptor survey for the Bear Canyon Lease Addition was conducted in the Spring of 2006 and submitted as part of the application. The revised map plate 5-3A and data will be incorporated into the MRP when the application is approved. The annual report was due before the survey was conducted and did not include the survey.
Other Information	<input type="checkbox"/>	X	

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